SIMPESFAIP

CE

DISPOSITIVO ALZA / PREMI TALLONI
BEAD LIFTING / PRESSING DEVICE
DISPOSITIVO LEVANTA / COMPRIME TALONES
WULSTHEBE- UND DRÜCKVORRICHTUNG
DISPOSITIF LÉVE / POUSSE TALON
DISPOSITIVO DE DESMONTAR / PRESSIONAR TALÕES

ALLY 70

Versione 1.0 del 02/05

Italiano
English
Español
Deutsch
Français
Português

Manuale d'uso
Operator's manual
Manual de uso
Bedienungsanleitung
Manuel d'utilisation
Manual de uso

CONTENTS

CONTENTS 2
INTRODUCTION 2
TRANSPORT, STORAGE AND HANDLING 3
Ambient conditions for storage and transport 3
Handling 3
UNPACKING/ASSEMBLY 3
Setting up the bead lifting/pressing device 4
WARNING 4
INSTALLATION CLEARANCES 5
TECHNICAL BRIEF 5
OPTIONAL ACCESSORIES 5
SPECIFIED CONDITIONS OF USE/SAFETY REGULATIONS 5
MAIN OPERATING PARTS OF THE MACHINE 5
CLAMPING THE WHEEL 6
DEMOUNTING 7
Breaking the outer bead (if necessary) 7
Demounting the outer bead 7
Breaking the inner bead 8
Demounting the inner bead 8
MOUNTING 9
“RUN FLAT” WHEELS 9
Bead breaking 10
Clamping the wheel 10
Outer side bead breaking 10
BPA assembly 10
Demounting the outer side 11
Inner side bead breaking 11
Demounting the inner side 11
Operations and inspections prior to mounting 12
Mounting the inner bead 12
Mounting the outer bead 12
Matching 13
Sensor inspection / Replacement 13
“PAX SYSTEM” WHEELS 14
TROUBLE SHOOTING 14
MAINTENANCE 15
GLOSSARY 15
COMPRESSED AIR LAYOUT 15

ENGLISH

INTRODUCTION

The purpose of this manual is to furnish the owner and operator of this SIMPESFAIP accessory with a set of practical and safe instructions for the use and maintenance of the ALLY 70 bead lifting/pressing device.

ATTENTION

This hand-book completes the tyre changer user’s manual whose instructions are still valid.

- Read these instructions carefully before placing the machine in service.
- Conserve this manual and all illustrative material supplied with the machine in a folder near the tyre changer where it is readily accessible for consultation by the machine operator.

WARNING

Adhere to the contents of this manual: SIMPESFAIP declines all liability in the case of actions not specifically described and authorised in this manual.

NOTE

Some of the illustrations in this manual have been taken from photographs of prototypes; the standard production model may differ slightly in certain respects.
These instructions are for the attention of persons with basic mechanical skills. We have therefore condensed the descriptions of each operation by omitting detailed instructions regarding, for example, how to loosen or tighten the fixing devices on the machine. Do not attempt to perform operations unless properly qualified and with suitable experience. In case of need, please contact our nearest authorised Service Centre for assistance.

TRANSPORT, STORAGE AND HANDLING

The tyre changer must be transported in its original packing and maintained in the position shown on the outer packing.

- *Machine packing dimensions:*
  - *Width: 154 cm.*
  - *Depth: 47 cm.*
  - *Height: 34 cm.*
- *Shipping weight: 100 Kg.*

Ambient conditions for storage and transport

Temperature range from -25° to +55° C.

WARNING

Do not stock other goods on top of the packing or damage may result.

Handling

To move the packed machine insert the forks of a pallet truck in the channels in the base of the pallet (fig.1).

CAUTION

Keep the packing material intact for possible future transport of the machine.

UNPACKING/ASSEMBLY

WARNING

Take the utmost care when unpacking, assembling, and setting up the machine as described in this heading.
Failure to observe these instructions can lead to damage to the machine and injury to the operator or other persons.

- *Remove the upper part of the packing and make sure that the machine has not suffered damage in transit.*

Setting up the bead lifting/pressing device

(Figures 2a - 2b - 2c - 2d)

- *Disconnect the electrical and the compressed air supply from the machine*
- *Replace the 90° outlet union of the FRL unit with the T union "A" provided, using hole D.8 for the tyre changer supply line and hole D.6 for the accessory supply line (Fig. 2a).*

NOTE
Before fitting the T union, take care to remove all residues of adhesive to assure a perfect pneumatic seal on the union.

- *Remove the tyre changer side case (B, Fig. 2c).*
- *If the tyre changer has not the holes, drill the holes on the left side according to the Fig. 2b.*
- *Fix the accessory to the tyre changer, using the screws supplied with it, as shown in Fig. 2c.*

NOTE
Keep the bracket slots (A, Fig. 2c), more or less in the centre of the hole in the casing.
The fixing bolts must not be fully tightened.

- *Check to make sure that ALLY 70 is vertical, then fully tighten the seven screws (Fig. 2c).*

WARNING

The operation whereby ALLY 70 is positioned on the tyre changer con be dangerous. Only carry out this operation after you have made sure that the device con be moved an held in position without risks of any kind.

- *Connect the tube (C, Fig. 2c) that projects from the bottom part of ALLY 70 to the union (A, Fig. 2a) previously mounted on the filter/lubricator unit.*
- *Reassemble the side case (B, Fig. 2c).*
- *Re-connect the tyre changer to the compressed air main.*
- *Make sure that the controls operate correctly:*
  - *Move the lever (3, Fig. 2d) up: the arm must rise to end of travel. Move the lever down: the articulated arm must lower to end of travel.*
  - *Move the arm to the centre of the table top: the arm must lock in the "work" position.*
  - *Press the release lever (5, Fig. 2d). The arm must release.*

(Fig. 6)

- *Clamp a rim of medium width (thickness) with a central hole on the table top.*
- *Fit the rim pressure cone "2" on to the arm "1" and push it upwards to snap it into place.*
- *Move the arm of ALLY 70 to the "work" position.*
- *Using the relative control, lower the arm in order to check that the cone is perfectly centred in relation to the rim hole.*
- *If this is not the case, proceed in the following way:*
  - *Slightly raise the arm in order to keep the cone near to the rim.*
  - *Move the arm to the "non-working" position using the release button.*
  - *Loosen the screws that fix the device to the casing.*
  - *Adjust the position of the device until it is as centred as possible.*
  - *Fully tighten the screws that fix the device to the casing.*

- *Check again to make sure that everything is perfectly centred and repeat the adjustments if this is not the case.*
- *Remove the rim pressure cone from the arm and the rim from the table top.*

INSTALLATION CLEARANCES

Add the dimensions of the figure 3 to the overall dimensions of the tyre changer (listed in its User's Manual) and you will have the minimum footprint of combination machine.

TECHNICAL BRIEF

- *Operating pressure: 8 ÷ 10 Bar*
- *Noise level when running: ≤ 70 dB (A).*
- *Weight: 85 Kg*

OPTIONAL ACCESSORIES

Please refer to relevant accessories catalogue.

SPECIFIED CONDITIONS OF USE/SAFETY REGULATIONS

*The ALLY 70 bead lifting/pressing device **(PATENTED)** has been designed as a SIMPESFAIP tyre changer accessory to help the operator to mount or demount the tyre, using the tools with which the device is equipped and in accordance with the instructions in this manual.*

WARNING

Any other operations carried out on the machine are considered improper use and shall be construed as negligence.

The following conditions are essential:

- *The operator must be able to read and understand all the information in this manual.*
- *Make sure you have a thorough knowledge of the capabilities and characteristics of this machine.*
- *Keep unauthorised persons well clear of the area of operations.*
- *Read this manual carefully and learn how to use the machine correctly and safely.*
- *When using and carrying out maintenance on the machine observe the unified industrial accident prevention regulations for high voltage industrial equipment.*
- *Any unauthorised alterations made to the machine automatically release the manufacturer from any liability in the case of damage or accidents attributable to such alterations. Specifically, tampering with or removing the machine's safety devices is a breach of the regulations for industrial accident prevention.*

MAIN OPERATING PARTS OF THE MACHINE

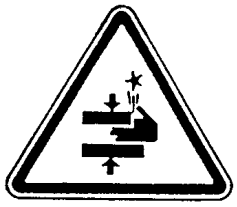
Fig. 4:

1) *Swivel arm*
2) *Rim pressure cone (when clamping the outside of the rim, helps the insertion of grippers between the bead and the rim)*

3) *Control lever (used to lower and raise the swivel arm).*
   - moving up the lever, the swivel arm should raise.
   - moving down the lever, the swivel arm should lower.
4) *Bead pressing device (creates enough space to position the tool head correctly on the rim edge, allows the bead to slip more easily onto the tool head and rotating integrally with the tyre, press and maintain pressed the bead to facilitate its insertion in the drop centre during the demounting phase).*
5) *Arm release lever (releases the swivel arm and to bring it to its non-working position).*
6) *Tyre lifting and bead loosening disk (if the lower bead has re-seated, the disk will loosen the bead and will lift it to facilitate second bead demountung).*
7) *Sliding locking lever*
8) *Rotating locking pin*
9) *Arm end of travel pin*
10) *Bead pressing arm BPA (in its working position, during mounting of the tyre, pressing the bead prevents it from slipping onto the tools head).*

NOTE
The device is pneumatically supplied from the tyre changer to which it is connected.

Key to danger warning decals



Hand-crushing hazard (Fig. 4a).

WARNING

Do not remove or deface the safety Danger, Warning or Instruction decals. Replace any missing or illegible Danger, Warning or Instruction decals. Missing or damaged decals can be obtained at your nearest SIMPESFAIP dealer.

CLAMPING THE WHEEL

Break the beads of the tyre following the instructions and the warnings given in the tyre changer manual.

- *If you plan to clamp the wheel from the inside, follow the normal procedure (refer to the Operator Manual).*
- *If you plan to clamp the wheel from the outside, also using the plastic slide and grip covers supplied with the tyre changer (see Fig. 5), the ALLY 70 device can help with these operations.*

Follow these steps:
- *Release the turntable bringing the tyre changer operating arm and the ALLY 70 device to non-working position.*
- *Select the turntable opening so that the jaws touch the tyre near the rim, when putting the wheel on the turntable (Fig. 6).*
- *Insert the rim pressure cone (2, Fig. 6) on the swivel arm (1, Fig. 6) and push it upwards making sure the bayonet lock slips into place.*
- *Set the swivel arm in work position: it will automatically lock in line with the turntable (Fig. 7).*

- *Lower lever (3, Fig. 7) until the cone, as it presses against the tyre, forces it down a couple of centimeters (Figures 6 - 7).*

NOTE
During this stage the bead presser roller (4, Fig. 4) must be positioned so as not to touch the tyre (see Fig. 7).

- *Close the grippers with the usual pedal and raise the arm (1, Fig. 7) by moving the lever (3, Fig. 7) up. Remove the rim pressure cone and bring the arm back to its non-working position.*

DEMOUNTING

Breaking the outer bead (if necessary)

(Fig. 8 - 8a)

If the outer bead has re-seated, the bead breaking procedure can be repeated with the bead pressing device (4, Fig. 8) rather than the normal blade.

Follow these steps:
- *Pull knob "8" towards the outside so that the roller "4" is free to turn on its axis*

NOTE
For all the other operations done with the ALLY 70, this knob must be inserted to prevent the roller from turning.

- *Bring the arm (1, Fig. 8) to its work position.*
- *Press the lever (7, Fig. 8) so that the roller (4, Fig. 8) can slide on the arm and position near the edge of the rim (see Fig. 8a).*
- *Release the lever (7, Fig. 8).*
- *Move the control lever downwards (3, Fig.8), press on the tyre with the bead pressure device (4, Fig. 8) until the bead moves a few millimetres away from the rim, then rotate the turntable clockwise*

The swivel arm "1" will turn with the tyre until it comes against the end travel stop "9". At this point the roller "4" will begin to break the top bead on the tyre.

NOTE
When the top bead has been pushed into the drop centre, the operator can lubricate the bead and the rim thoroughly to facilitate the subsequent demounting stages (Fig. 8a).

When the operation has been completed, lift off the bead pressing device, more the device away from the turntable and begin the demounting operations.

Demounting the outer bead

(Figures 9 - 9a - 9b)

- *Position the tool head (H, Fig. 9a).*

WARNING

The positioning and the removal of the operating arm of the tyre changer from the edge of the rim can be carried on only after having brought ALLY 70 outwards in non-working position.

If the tyre has very stiff walls that prevent correct position of the mount/demount tool on the rim edge, follow these steps:

- *Move the arm (1 or 10, Fig. 9) to its working position.*
- *Move the bead pressing device (4, Fig. 9) to the tyre and close to the mount/demount tool. Use the lever (3, Fig. 4) to press down on the tyre to create enough space to position the mount/demount tool correctly and to insert the bead lifter tool.*

WARNING

Bringing the bead-pressing tool against the tyre creates a hazard: the operator's hands could be crushed between the tool and the rim.
Be careful and keep your hands away from the rim.

- *Clamp the mount/demount tool, insert the bead lifter tool and raise the ALLY 70 arm.*
- *Use lever (3, Fig. 4) to raise the arm (1, Fig. 9a) and turn it to bring the bead pressing device (4, Fig. 9a) by the drop centre of the rim.*
- *Use the lever (3, Fig. 4) to lower the arm and apply pressure against the tyre so that the bead is moved into the centre well of the rim (see Fig. 9a). This will ensure that the bead is not excessively stretched and can easily move onto the mount/demount tool.*
- *Use the lever (L, Fig. 9b) to move the bead over the lip of the mount/demount tool (Fig. 9b).*
- *Raise the device arm and rotate it outwards to free the work top and then rotate the turntable to remove the first bead.*

Breaking the inner bead

(Fig. 10 - 10a - 10b)

If the inner bead has re-seated, use the disk (6, Fig. 4) to loosen the bead.

Follow these steps:

- *Mount the disk (6, Fig. 10) on to the lower arm holder (Q, Fig. 10) and lock it in place with the relative pin (P, Fig. 10).*
- *Bring the arm (1, Fig. 4) to non-working position.*
- *Position the disk (6, Fig. 10a) under the tyre, making sure that it is near the edge of the rim.*
- *Position the tyre lever (L, Fig. 10a) supplied with the tyre changer, in the special hole on the disk arm and hold it to keep the disk pressed against the tyre (see Fig. 10a).*
- *Rotate the turntable clockwise simultaneously raising the disk up, with the control lever (3, Fig. 4), until the bead-breaking procedure is completed.*

NOTE
Thoroughly lubricate the inner bead (see Fig. 10b) before removing it.

Demounting the inner bead

(Figures 11 - 11a- 11b)

NOTE
With some tyres the disk alone can be used to demount the tyre. To do this, continue the bead breaking procedure until the bead comes completely off the rim.

The disk (6, Fig. 4) will always facilitate inner bead demounting (especially with sports wheels with wide treads) by lifting the second bead up and holding it in line with the drop centre.

- *Position the disk as shown in Fig. 11 and lift the second bead until it is in the drop centre.*

- *Use the bead lifting lever to bring the second bead onto the hooked section of the tool head (Fig. 11a).*
- *Move the disk away from the work area and rotate the turntable until the second bead comes off the rim.*

NOTE
The bead breaker disk can be removed and placed in its storage position on the side of the device. To do this pull it from its holding pin (P, Fig. 11b) and push it onto its mounting.

MOUNTING

- *Clamp the rim on the table and mount the first bead as described in the Instruction manual of he tyre changer.*

WARNING

The positioning and the removal of the operating arm of the tyre changer from the edge of the rim can be carried on only after having brought ALLY 70 outwards to its non-working position.

- *Position the bead pressing device (4, Fig. 12) near the mount/demount tool (about 3-4 cm. as shown in Fig. 12). Lower it until the second bead is level with the centre well.*

NOTE
If the tyre bead fails to "rise" on the toolhead, the operation can be facilitated by using the bead lifting lever (see Fig. 12a).

WARNING

Bringing the bead-pressing tool against the tyre is hazardous: the operator's hands could be crushed between the tool and the rim.
Be careful and keep your hands away from the rim.

- *As the turntable turns the bead pressing device will revolve with the tyre and keep the bead in the well. The second bead will thus be mounted on the rim without any effort or danger to the operator and without damaging the tyre.*

NOTE
Bead pressing arm BPA (10, Fig. 4) (see "RUN FLAT WHEELS" section), supplied with the device, can be used for wheels (particularly lowered ones, those with very hard beads, etc.) where the inner bead is very difficult to mount.

"RUN FLAT" WHEELS

With the aid of bead pressing arm BPA, the ALLY 70 device can correctly work on "RUN FLAT" wheels.

WARNING

The majority of "RUN FLAT" wheels are equipped with an internal sensor so that the pressure can be measured.

Before proceeding with any operation on the wheel, check the vehicle instruction manual for the type of sensor used and its position on the rim.

WARNING

Before proceeding with any operation on the wheel, make sure that all contact points between the tyre changer and rim (mounting/demounting toolhead, bead lifting lever, bead loosener shoe, wheel clamps) are equipped with their relative plastic guards.

Bead breaking

If the wheel does not have an internal sensor, the bead can be breaked in the "conventional" way as described in the tyre changer instruction manual.
If it does have an internal sensor, the procedure will depend on the type and position of the actual sensor itself, i.e. "conventional" bead breaking on both flanks or on the inner flank alone.

WARNING

In all cases, proceed with the utmost care. Never ever press with the shoe near to the pressure sensor.

Clamping the wheel

The wheel must be clamped on the table top from the outside only, as indicated in page 6 of this manual.

WARNING

Refer to the vehicle's instruction manual to find out whether there are any pressure sensors on the inside of the rim. If this is the case, proceed with the utmost care.

Outer side bead breaking

If the bead on the outer side has not been removed with the bead breker shoe or has re-seated, proceed as indicated for BREAKING THE OUTER BEAD in page 7 of this manual.

BPA assembly

WARNING

The BPA bead pressure arm must only be mounted on ALLY 70 at the time it is actually used and demounted at the end of the operations.
This prevents it from hampering the other operating phases or from being a potential source of danger through crushing.

- *Insert BPA into its housing on the arm of ALLY 70 (Fig. 13), push it upwards and lock it in place with the relative pin (A, Fig. 13).*

NOTE
BPA can be mounted in two different positions, depending on the operation required:
- at 1:00 hours (see Fig. 13a).
- at 7:00 hours (see Fig. 13b).

Demounting the outer side

- *Move the toolhead (H, Fig. 14) to the work position.*

If the wheel has a sensor, turn the table top until this sensor is on a level with the toolhead (see the example in Fig. 14, where the sensor is positioned under the valve).

WARNING

The tyre changer's tool arm must only be positioned and moved away from the rim edge after the arms of ALLY 70 has been moved away, in the "non-working" position.

- *Move the arm of ALLY 70 (1, Fig. 14) to the work position.*
- *Move the bead pressure units (4, Fig. 14a) on a level with the tyre and to the right of the toolhead (see fig. 14a).*
- *Operate the lever (3, Fig. 4) in order to press on the tyre and create sufficient space to correctly position the toolhead and subsequently insert the bead lifting lever.*

WARNING

When the bead pressing roller is pressed against the tyre the hands could be crushed between the actual device and the rim.
Work with the greatest care and keep your hands as far from the rim as possible.

- *Lock the toolhead in place and insert the bead lifting lever (see fig. 14a).*
- *Work the lever (3, Fig. 4) and lift the arm (1, Fig. 15), then turn it and move the bead pressure unit (4, Fig. 15) diametrically opposite the toolhead.*
- *Operate the lever (3, Fig. 4) to lower the arm and exercise pressure on the tyre until the bead is on a level with the drop centre of the rim (see Fig. 15).*
  This prevents the bead from being excessively taut and allows it to rise more easily on the toolhead (see Fig. 15a).
- *Lift the arm of ALLY 70 and swing it outwards to free the work surface, then turn the table top to allow the outer bead to slip out.*

NOTE
If the tyre flank is so rigid that the bead is unable to position in the drop centre, this operation con be facilitated by using the BPA arm.
Mount BPA on the arm of ALLY 70, positioning it as shown in Fig. 16.
The pressure of both arms will allow the bead to set in the drop centre of the rim.

Inner side bead breaking

If the inner flank bead has re-seated, proceed as described for BREAKING THE INNER BEAD in page 8 of this manual.

WARNING

If the wheel has an internal sensor, take the greatest care when working with the bead breaker disk or the sensor could be damaged.

Demounting the inner side

- *If the wheel has a sensor, position it on a level with the toolhead (see Fig. 17).*
- *Position the bead breaker disk under the inner bead then, using the control (3, Fig. 4), lift the bead until it is in the middle of the drop centre (see Fig. 18).*

WARNING

If the wheel has an internal sensor, take the greatest care when working with the bead breaker disk or the sensor could be damaged.

- *Insert the bead lifting lever on the toolhead until it has picked up the inner bead (see Fig. 19).*
- *Raise the lever until the inner bead rises on to the toolhead.*

WARNING

If the wheel has an internal sensor, take the greatest care when you insert the lever as the sensor could be damaged.

- *Turn the table top clockwise until the tyre has been completely removed.*

Operations and inspections prior to mounting

- *Check the tyre and rim as indicated in the tyre-changer's instruction manual.*
- *If the wheel has an internal sensor, make sure that it is not defective and/or damaged. If damage is discovered, replace the sensor with a genuine spare (refer to the vehicle's maintenance manual).*

Mounting the inner bead

- *Clamp the rim on to the table top from the outside only.*
- *Move the tool arm to the work position and clamp the toolhead on to the rim.*

WARNING

The tyre changer's tool arm must only be positioned and moved away from the rim edge after the arms of ALLY 70 has been moved away, to the "non-working" position.

- *Thoroughly lubricate the rim (see Fig. 20).*
- *Thoroughly lubricate the tyre beads (see Fig. 21).*
- *If the wheel has an internal sensor, position it on the right-hand side of the toolhead (see example in Fig. 22 where the sensor is under the valve.*
- *Position the tyre so that the inner bead (lower one) is under the toolhead (see Fig. 22).*
- *Turn the table top clockwise.*
- *Keep the tyre pressed against the rim so that the inner bead "slips" into the drop centre.*

Mounting the outer bead

- *If the wheel has an internal sensor, position it as shown in Fig. 22 in relation to the tool head.*
- *If the tyre has a coloured mark indicating the lighter position, position this on a level with the sensor in order to achieve the best rim/tyre match.*

***Note**: If the wheel is without the sensor, position the coloured mark on a level with the valve.*

- *Mount bead pressing arm BPA on the arm of ALLY 70.*
- *Position the rollers of BPA and ALLY 70 as shown in Fig. 22a then, using the control (3, Fig. 4), lower the arms until the outer bead is in the drop centre and under the hooked section of the toolhead (see Fig. 22a).*

WARNING

When the bead pressing roller is pressed against the tyre the hands could be crushed between the actual device and the rim.
Work with the greatest care and keep your hands as far from the rim as possible.

- *Turn the table top anti-clockwise:*
  the ALLY 70 roller will turn along with the tyre, allowing the outer bead to slip into the rim, while the BPA roller will remain at a standstill in its position, preventing the bead from slipping out again (see Fig. 23).

Matching

Once you have terminated the mounting operations, make sure that the coloured mark on the tyre is on a level with the sensor.

If this is not the case (see Fig. 24), proceed in the following way:
- *Move the arm of ALLY 70 with BPA mounted, to the work position.*
- *Move the bead pressure roller of of ALLY 70 to end of travel against its stop point (9, Fig. 8).*
- *Push the knob (8, Fig. 4) inwards to stop the roller from turning.*
- *Position the BPA arm.*
- *Using the control lever (3, fig. 4), lower the rollers until the bead has detached from the rim.*

WARNING

When the bead pressure roller is pressed against the tyre the hands could be crushed between the actual device and the rim.
Work with the greatest care and keep your hands as far from the rim as possible.

- *Turn the table top until the sensor is on a level with the coloured mark (see Fig. 25).*

NOTE
If necessary, hold the tyre in position with the hands as the table top turns (see Fig. 25).
Remember to thoroughly lubricate the beads to facilitate this operation.

NOTE
If the table top must be turned in the anti-clockwise direction, move the bead pressure roller of ALLY 70 against the end of travel stop from the inner side.

Sensor inspection / Replacement

If the wheel has an internal sensor the ALLY 70 used with the BPA accessory will allow you to inspect and replace the actual sensor itself without having to remove the tyre from the rim.

WARNING

Only work on the sensor after having consulted the operation and maintenance manuals of the vehicle and sensor itself.

Proceed in the following way:
- *Carry out the bead breaking operations using the bead loosener shoe and/or the roller of ALLY 70, whichever you consider the most suitable for the type of wheel and sensor in question.*

- *Clamp the rim on the table top and position the sensor at 6:00 hours (see Fig. 26).*
- *Move the arm of ALLY 70 to the work position with the bead pressure roller at 5:00 hours (see Fig. 26).*
- *Mount the BPA bead pressure arm on ALLY 70 and position the roller at 7:00 hours (see Fig. 26).*
- *Using the control lever (3. Fig. 4), slowly lower the rollers until you have enough space to check or replace the sensor.*

WARNING

Take the utmost care to prevent the bead from touching the sensor during this operation.

- *After having terminated the operations, slowly lift the rollers until the bead has passed over the sensor.*

"PAX SYSTEM" WHEELS

With the aid of the KP70 accessory, the ALLY 70 device is able to correctly work on wheels of the "PAX SYSTEM" type.
Instructions on how to correctly install the KP70 accessory and use it on PAX SYSTEM wheels are given in the manual supplied with the accessory itself.

TROUBLE SHOOTING

When the control lever (3, Fig. 4) or the arm realease lever (5, Fig. 4) is used the arm (1, Fig. 4) does not move

No compressed air supply to the system.
- *Check and correct the compressed air supply source*

Compressed air hose is crimped or crushed.
- *Check and correct any hose defects. Replace hose if damaged.*

The pneumatic valve which controls the air supply does not work properly.
- *Call for technical assistance.*

WARNING

If the suggestions detailed above do not bring the device back to good functional performance or if the problem is other than those listed above, DO NOT use the machine and contact your nearest SIMPESFAIP Technical Assistance Centre

MAINTENANCE

WARNING

SIMPESFAIP declines all liability for claims deriving from the use of non-original spares or accessories.

WARNING

The maintenance operations must only be carried out by professionally qualified persons. Before making any adjustments or carrying out maintenance, disconnect the compressed air supply from the machine.

WARNING

Do not remove or modify any parts of this machine except in the case of service interventions.

CAUTION

Keep the work area clean. Do not clean the machine with compressed air or jets of water. When cleaning the area avoid raising dust as far as possible.

- *Depending on the frequency with which the machine is used, periodically check to make sure that the bead pressure arm works in the right position.*
- *Periodically clean and lubricate (every 10 days) the arm slideways.*
- *Use NLGI 2 strength grease for general applications (e.g.: ESSO GP GREASE).*

GLOSSARY

Bead seating
This operation is performed during inflation. Bead seating assures that the tyre bead and the edge of the rim are perfectly positioned.

Bead breaking
Operation that serves to detach the tyre bead from the edge of the rim

Bead
The edge of the tyre that remains in contact with the rim when the tyre is installed.

COMPRESSED AIR LAYOUT

Fig. 27

1 Quick coupling
2 Regulator filter unit
3 Control valve
4 Cylinder D. 100/200 x 395
5 Fix choke D. 1,5
6 Stopping cylinder
7 Microvalve

SIMPESFAIP

CE

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WULSTHEBE- UND DRÜCKVORRICHTUNG
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DISPOSITIVO DE DESMONTAR / PRESSIONAR TALÕES

ALLY 70

Versione 1.0 del 02/05

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Français
Português

Illustrazioni e schemi
Illustrations and diagrams
Ilustraciónes y esquemas
Bilder und Zeichnungen
Illustrations et schémas
Ilustrações e esquemas

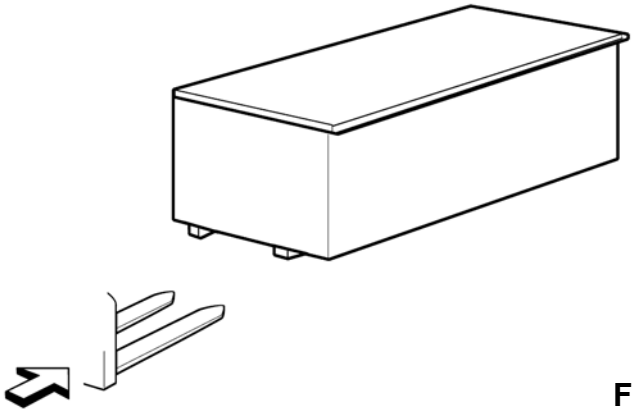
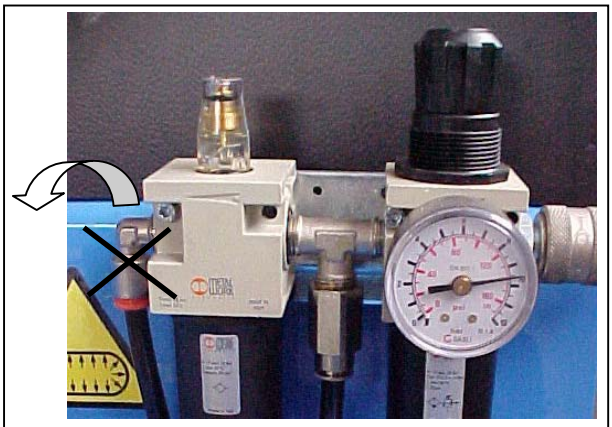


Fig. 1



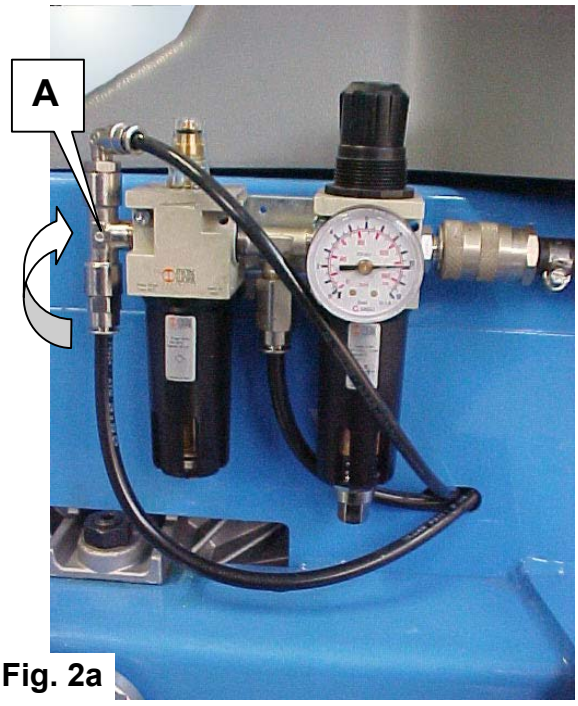


Fig. 2a

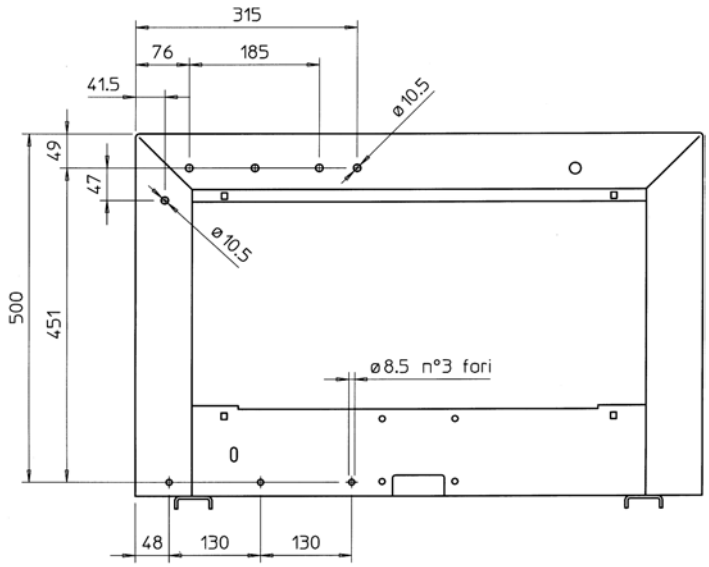
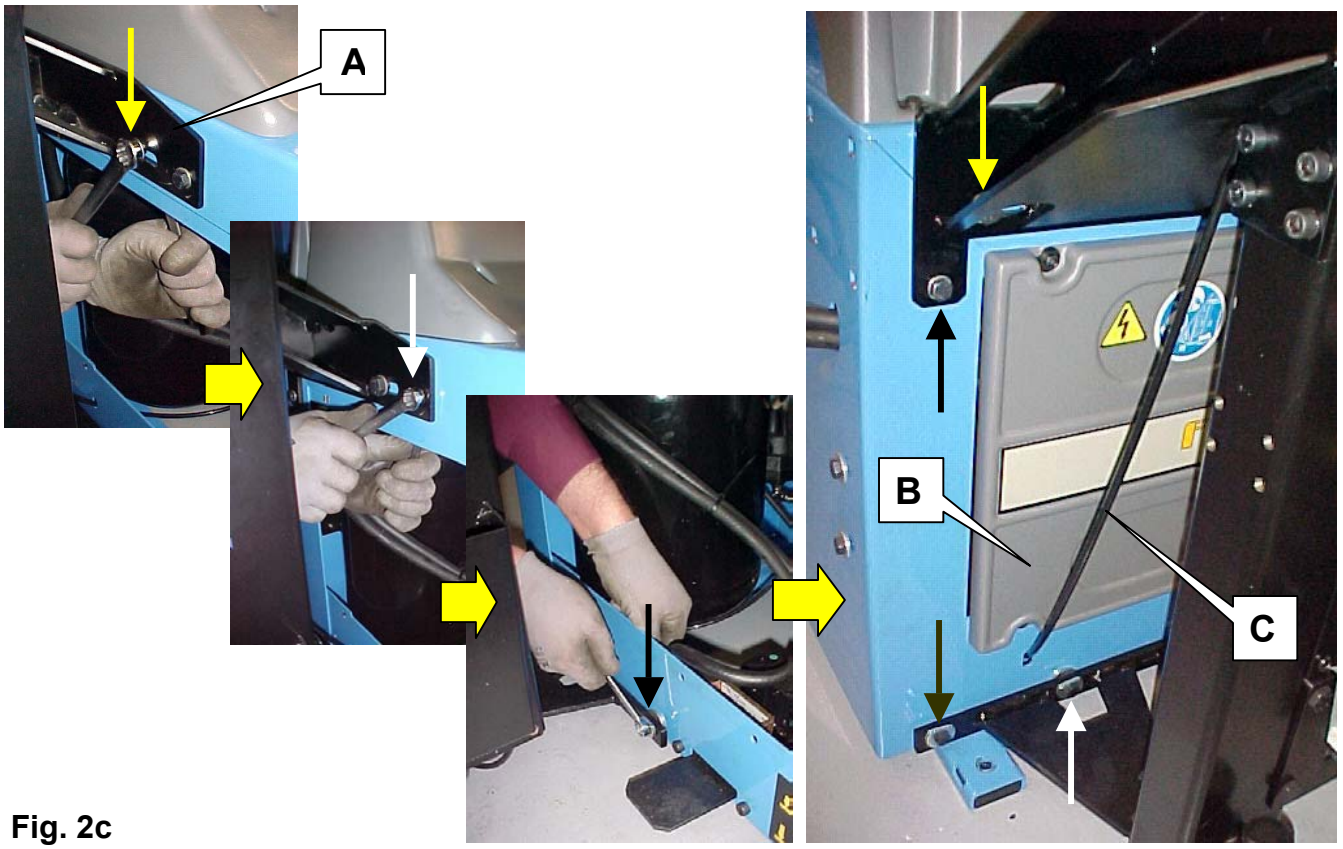


Fig. 2b



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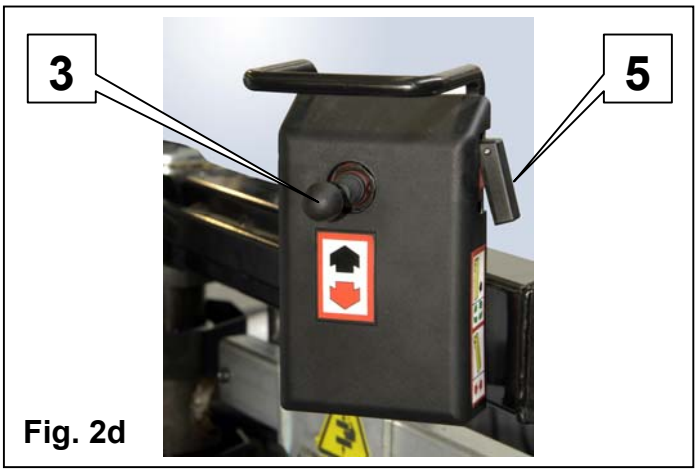

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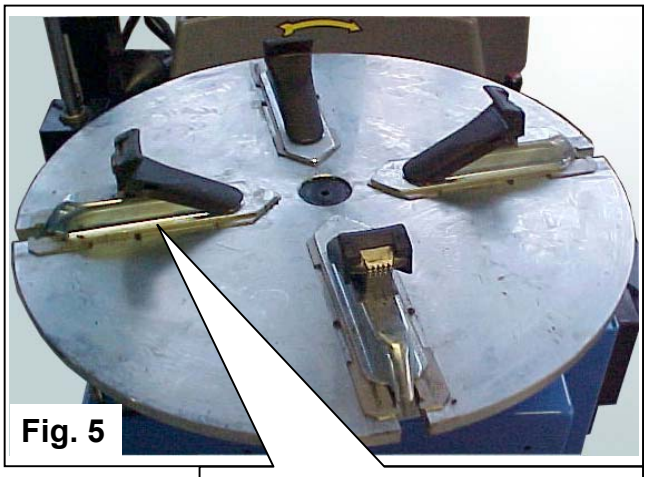


Fig. 5

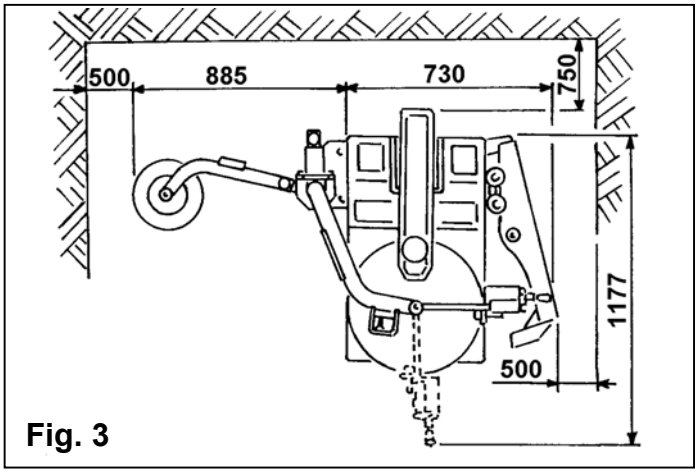
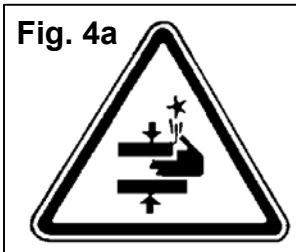
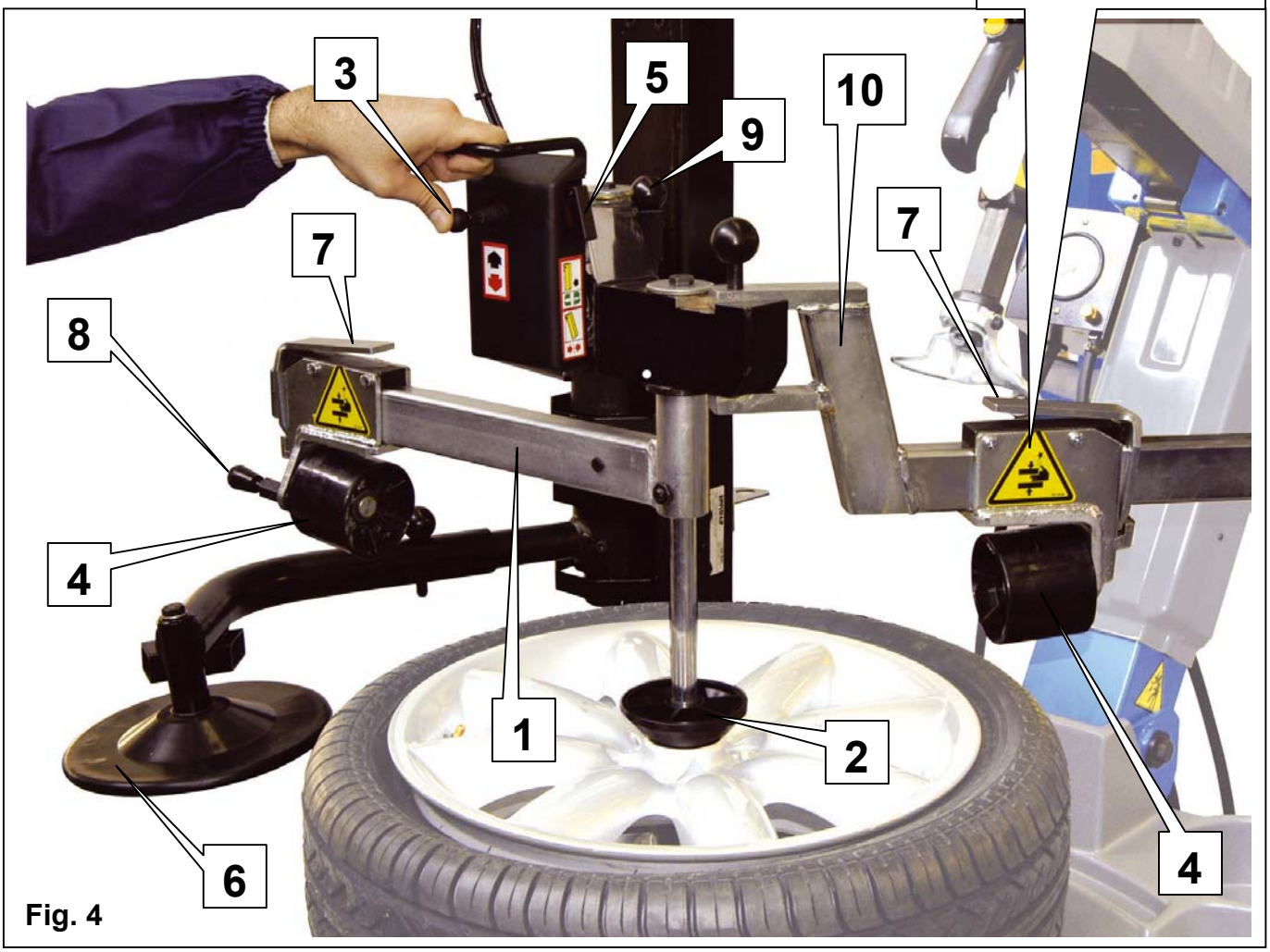


Fig. 3

Fig. 4a





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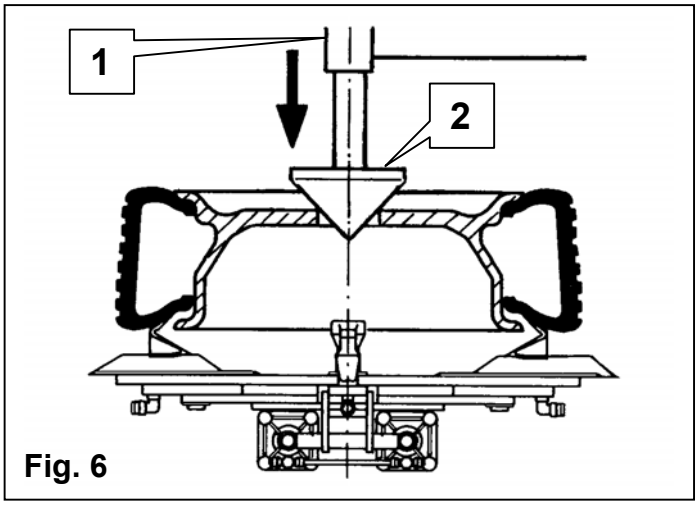

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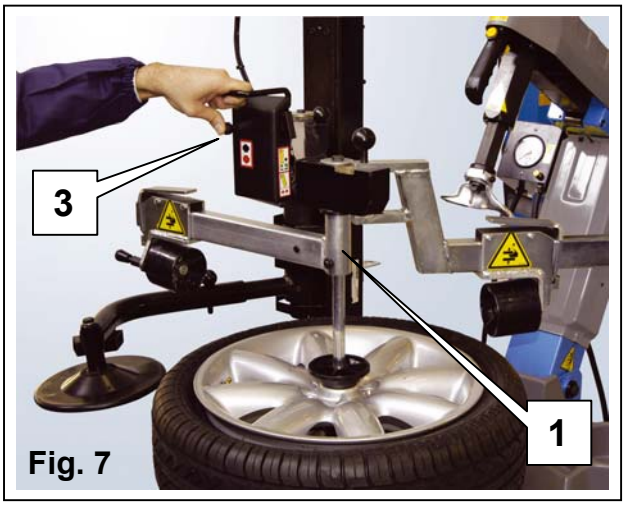

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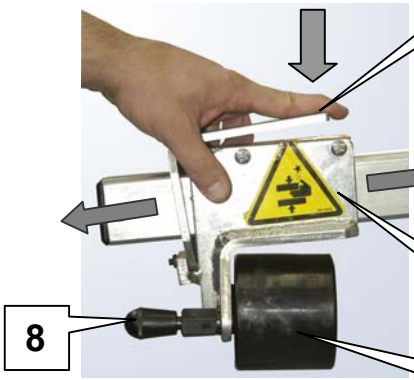


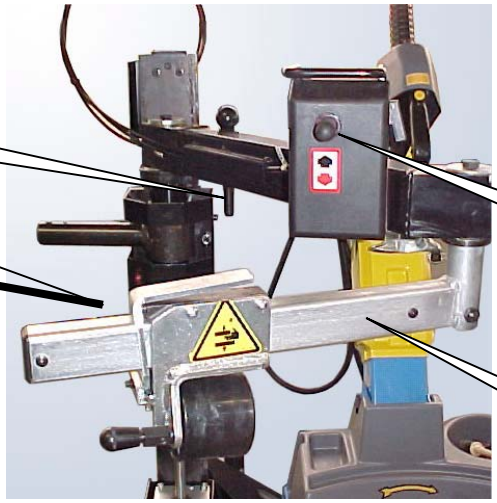


Fig. 8

Fig. 8a

Fig. 9

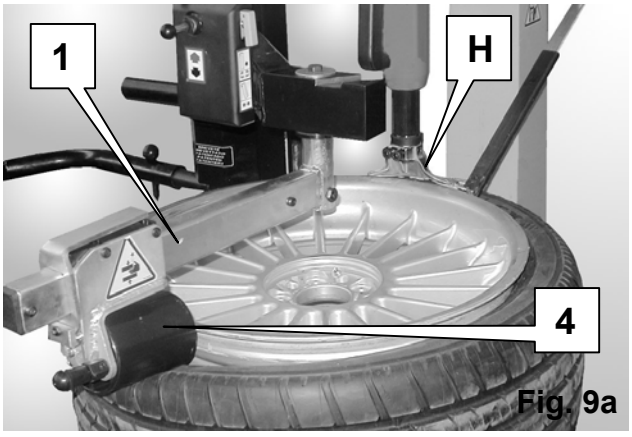
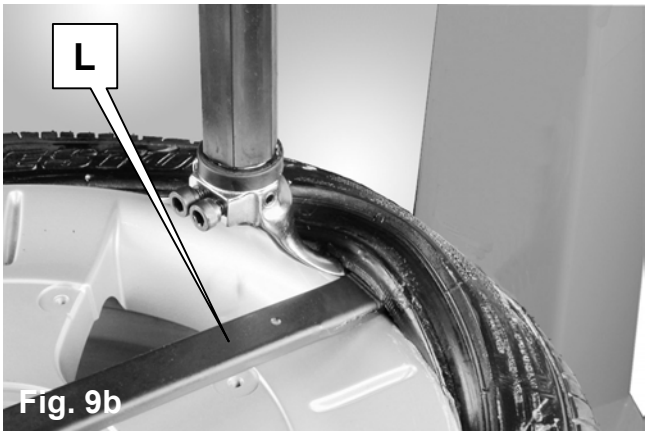


Fig. 9a



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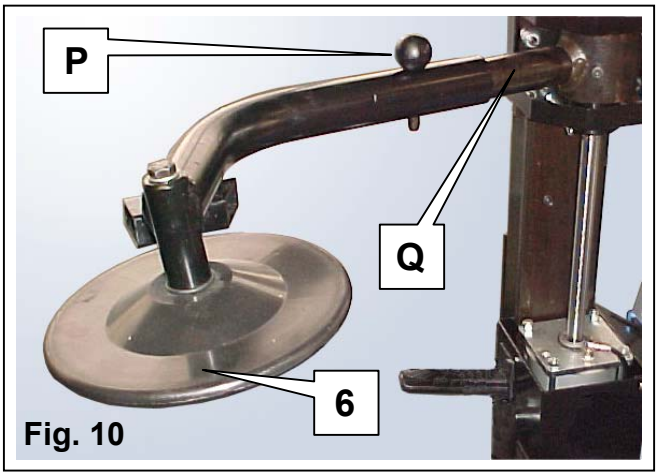


Fig. 10

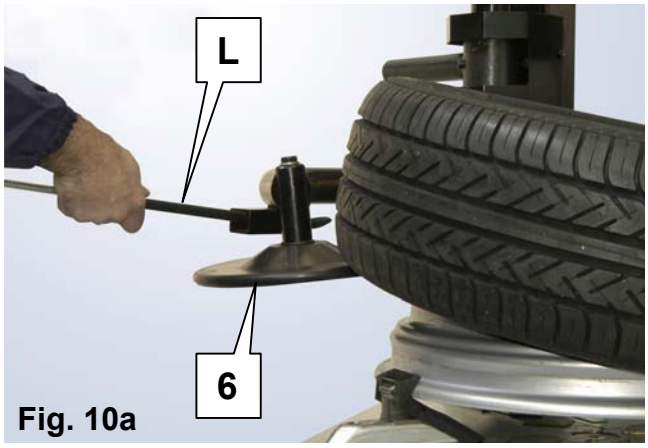


Fig. 10a

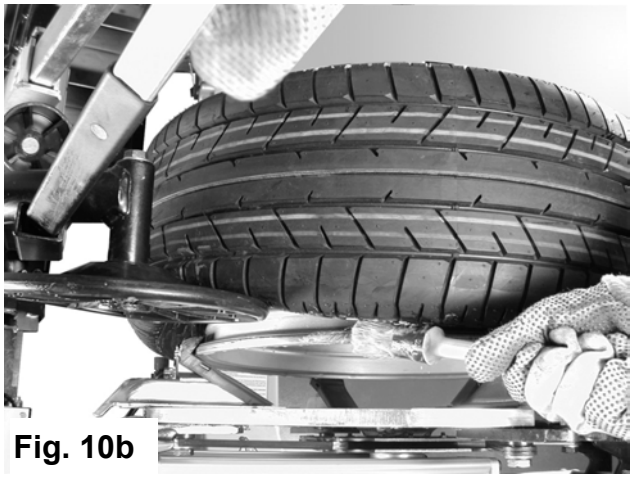
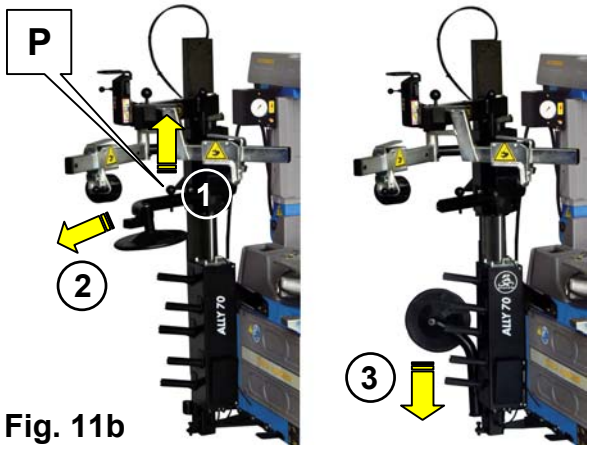


Fig. 10b

Fig. 11

Fig. 11a



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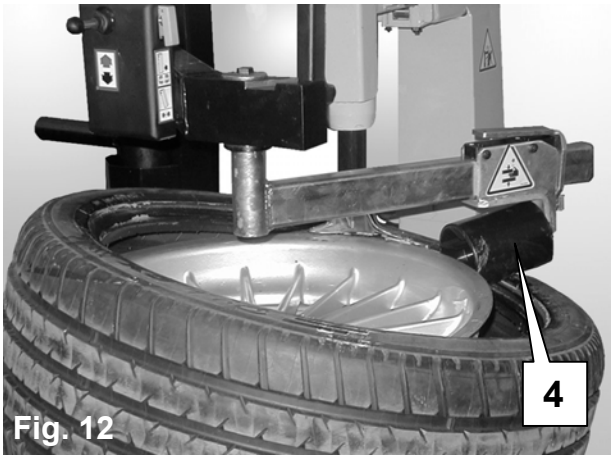


Fig. 12

Fig. 12a

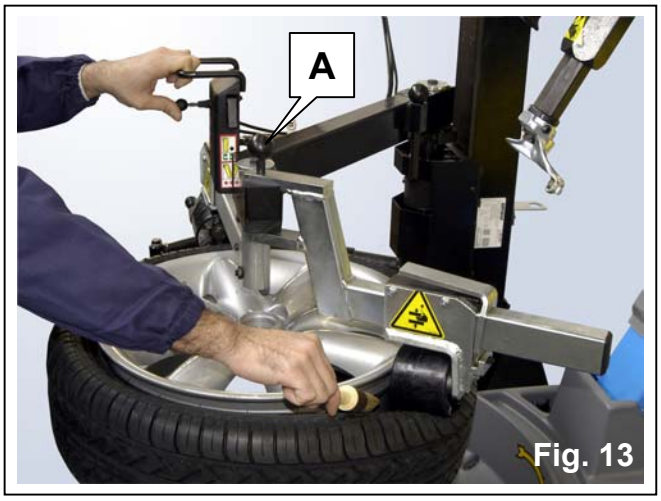
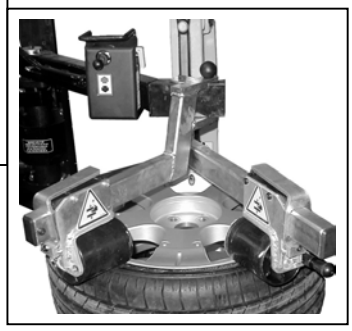


Fig. 13

Fig. 13a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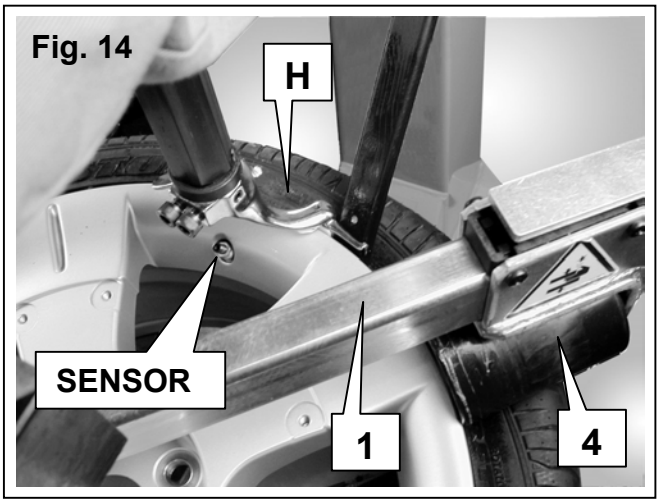
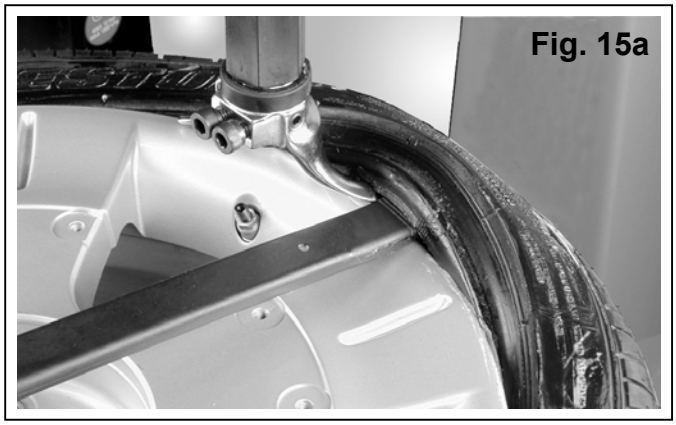




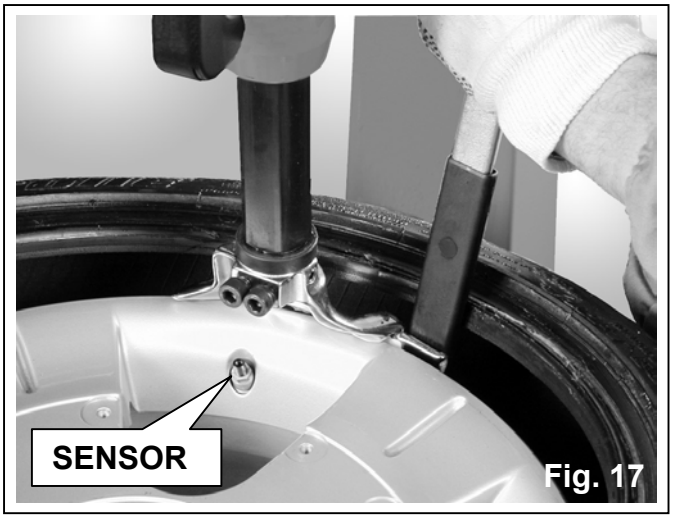


Fig. 18

Fig. 19

Fig. 20

Fig. 21

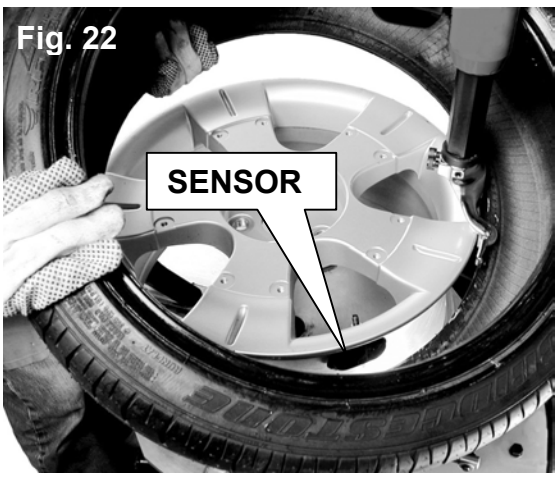
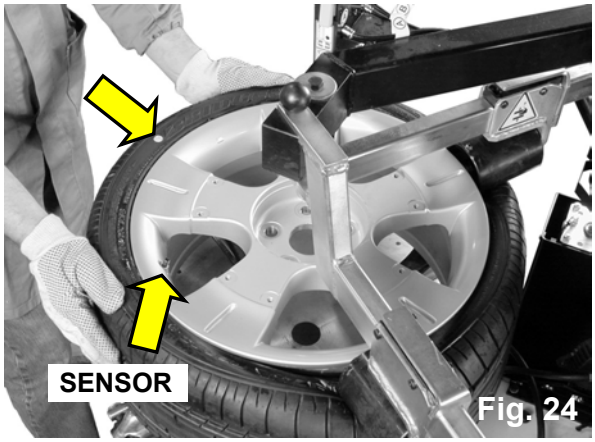


Fig. 22

Fig. 22a

Fig. 23



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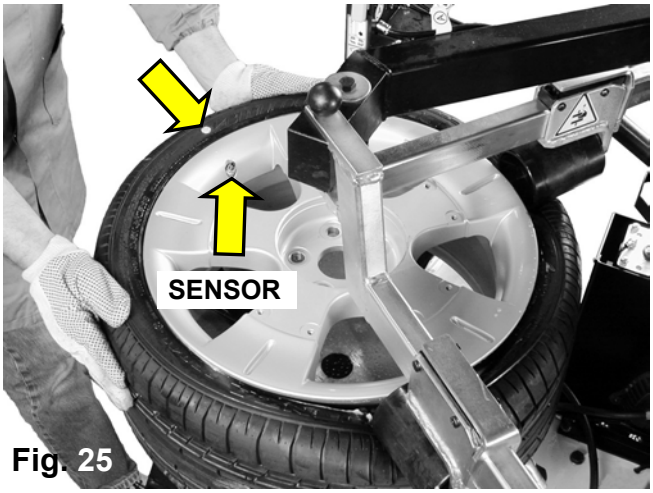

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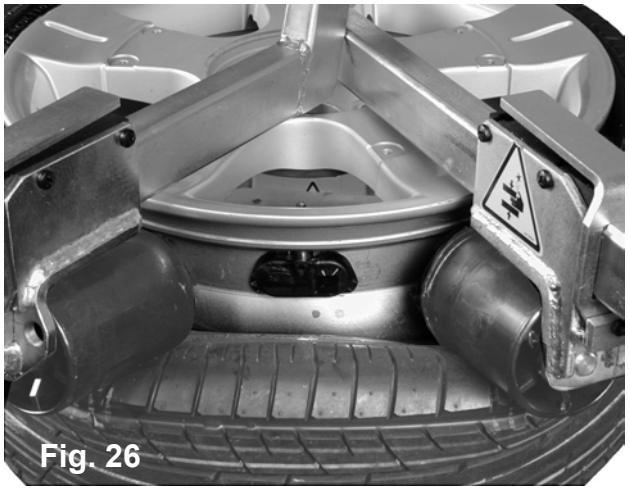

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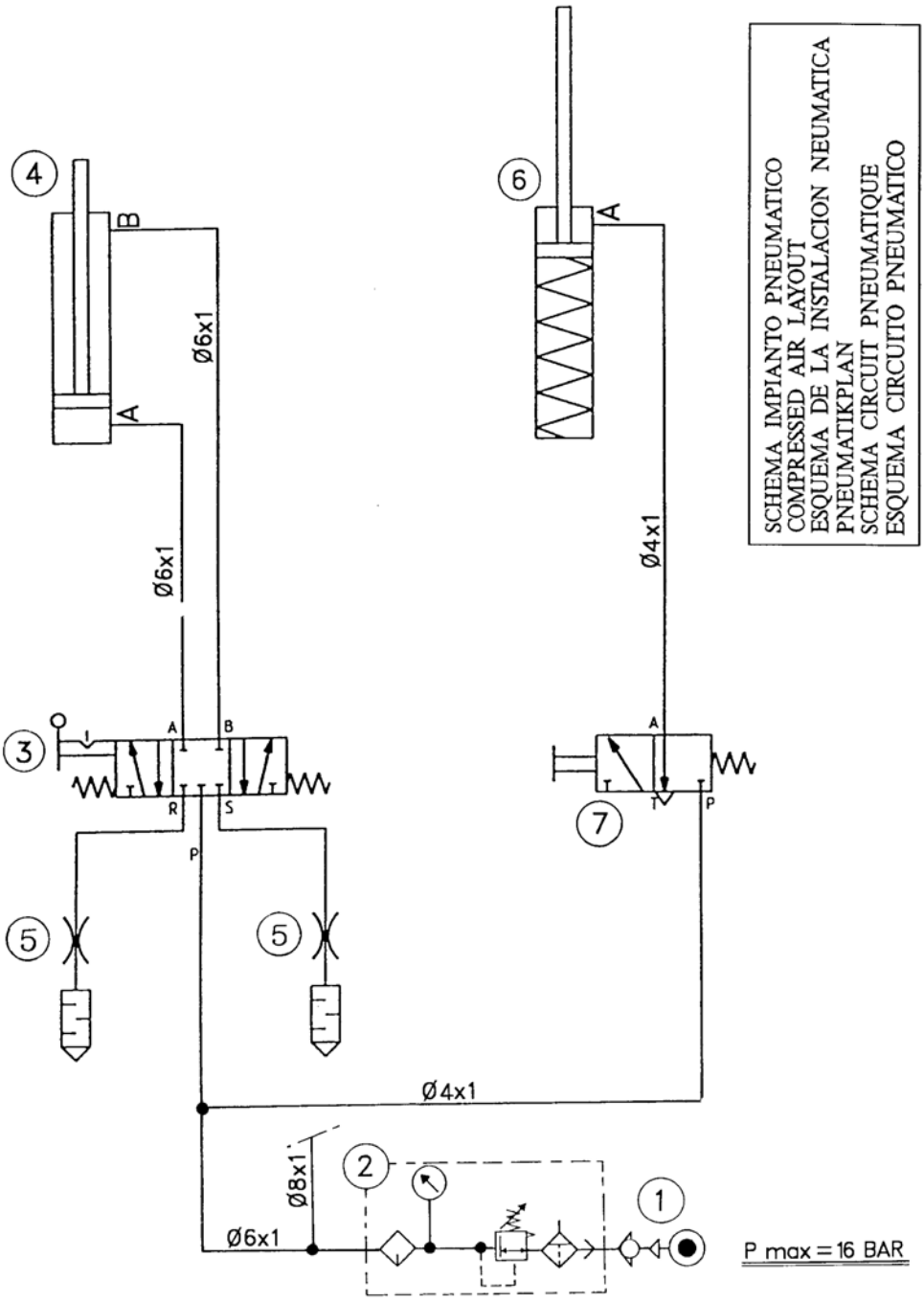

Fig. 26

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SISTEMA DI QUALITA'
CERTIFICATO
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